

# Seminar Logistics / Ground Rules

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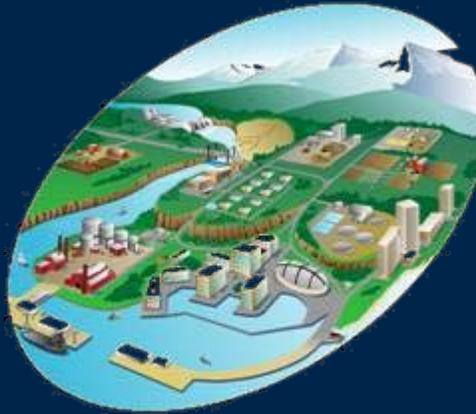
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# Clean Watersheds Needs Survey (CWNS) 2008



## CWNS 2008 Documentation Rules and Document Types

Presenter:

Alejandro Escobar, Tetra Tech, Inc.

# Data Submission & Review Methods Subcommittee (October 2005 – August 2007)

Nancy Bowser, ID      Tom Webb, MS

Jason Denno & Terry Deuel, NY

Ketan Patel, David Shu & Scott Shymon, NJ

Rosalie Brodersen, Teresa Koon & Carrie Grimm, WV

Ray Kvalheim, EPA Region 2

Bill Tansey, EPA Region 5

Kelly Beard-Tittone, EPA Region 7

Michelle Tucker, EPA Region 10

Karen Fligger and Michael Plastino, EPA HQ

Contractor Support: Alejandro Escobar, TetraTech

# Seminar Overview

- 1) Changes in Eligibility from 2004
- 2) Eligibility Rules
- 3) Documents Dates
- 4) Footnoting Documents
- 5) Footnoteable Document Auditing Procedures
- 6) Document Types
- 7) Requirements for Submitting Documents

# 1) Changes in Eligibility from 2004

# “Official” Needs

“Official” Needs are defined as Capital costs for Needs that:

- Meet CWNS documentation criteria, and
- Fall within CWNS categories, with Section 212-related Needs limited to publicly owned facilities.

# Changes in Eligibility from 2004

- CWSRF eligibility is no longer required for a project to be an “Official” need.
  - CWSRF eligible subset of “Official” needs.
- “Official” Needs are in the main body of the Report to Congress.
- Other needs are in appendices, including:
  - Capital costs for privately owned wastewater collection and treatment plants.
  - Planning and operations & maintenance costs.

## 2) Eligibility Rules

# Eligibility Criteria for “Official Needs”

1. Description of the water quality or public health problem
  2. Location of the problem
  3. Solution to the problem
  4. Cost of the solution
  5. Basis for the cost
  6. Total cost
  7. Current Documentation
- Needs
- Costs
-

# 3) Documents Dates

# Cutoff Dates

- Point Source Needs:
  - $\geq$ \$20 Million: January 1, 2002.
  - $<$ \$20 Million: January 1, 1998.
- Non-point Source and Stormwater Needs:
  - $\geq$ \$20 Million: January 1, 1998.
  - $<$ \$20 Million: January 1, 1994.

# 4) Footnoting Documents

# Footnoting Criteria

- Facility's total needs < \$20 million.
- Documentation classified as footnoteable by the CWNS Workgroup.

***Documents must be retained in the state's files.***

# 5) Footnoteable Document Auditing Procedures

# Footnoteable Document Auditing

- When does the Audit take place?
  - All of the State's facilities have been submitted.
- Number of Documents Audited?
  - Small Community Needs Forms (5%)
  - SRF Intended Use Plans (10%)
  - All other Footnoteable Documents (10%)
- 75% passing level within each group.

# Footnoteable Document Auditing

- “Second Chance” Audit.
  - 75% of facilities submitted by a certain date.
- Needs from document type groups that fail will be moved to “unofficial needs”.
- We don’t want to fail you!!!!
  - Contact the CWNS team if you have questions about footnoteable documents.

# Questions

Questions can be asked at anytime by typing them in the chat box and clicking



# 6) Document Types

# Documents with no specific emphasis on the type of need

<b>Document</b>	<b>Doc Type</b>
Intended Use Plan	1
State and Federal Loan and Grant Applications	2
CWSRF Loan Applications	3
Non-governmental Grant Applications	4
Cost of Previous Comparable Construction	5
State-Approved Area-wide or Regional Basin Plan	6
State-Approved Local Comprehensive Water and Sewer Plan	7
Total Maximum Daily Load (TMDL)	8
National Estuary Program Comprehensive Conservation and Management Plan	9
Nutrient Criteria Studies	10
Impaired Waters or TMDL Listing	11
State Needs Surveys & other State forms	12
EPA-HQ Approved	99

# Intended Use Plan (1)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes
  
- Be careful with double counting of costs.

2003  
INTENDED USE PLAN  
CLEAN WATER  
STATE REVOLVING  
FUND

Prepared by the  
Georgia Environmental Facilities Authority  
May 22, 2003



# State and Federal Loan and Grant Applications (2)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes
  
- Need: Signatures, description of problem/solution.
  
- Cost: cost estimate from engineer.

# CWSRF Loan Applications (3)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes

**FY 2004 Water Quality Financial Assistance Application - Part I**



WASHINGTON STATE  
DEPARTMENT OF  
ECOLOGY

Fiscal Year 2004  
Centennial Clean Water Fund (Centennial)  
Federal Clean Water Act Section 319  
Nonpoint Source Fund  
Washington State Water Pollution Control  
Revolving Fund (SRF)

Department of Ecology  
Water Quality Program  
MAR 05 2003

**ECOLOGY USE**  
Application Number  
**FP04094**

Application Instructions are attached after Part 3

*Please note: If you are offered financial assistance, the information contained in this application, along with provisions of the offer letter, and project development negotiations will be used in the financial assistance agreement.*

- PROJECT TITLE:** (Five words or less) **SPOKANE COUNTY REGIONAL WASTEWATER TREATMENT PLANT**
- APPLICANT NAME:** (Public Body)  
Spokane County
- FEDERAL IDENTIFICATION NO.:**  
91-6001370
- APPLICANT SIGNATORY:** (The person whose name is listed here must sign Box 13 of this application.)  
Name: **Bruce Rawls**  
Title: **Utilities Director** Telephone Number: **(509) 477-3604**  
Address: **1118 W. Broadway Ave. PWK-4 Spokane, Washington 99260**
- APPLICANT STAFF CONTACT:**  
Name: **Mark Stiltz**  
Title: **Project Manager** Telephone Number: **(509) 477-7469**  
Address: **same**
- PROJECT INFORMATION:** (Not information on applicant)  
What is the population in the PROJECT area? **121,000**  
Is the PROJECT located in a basin with salmonid stocks listed as threatened or endangered in accordance with the Endangered Species Act?  Yes  No  
Is the PROJECT statewide?  Yes  No  
*(If ND, identify always the case) include county(ies), Water Resource Inventory Area designation(s), Legislative district(s), and Congressional district(s) where at least five percent of the PROJECT will be accomplished. BELOW.*

The total of each separate designation (County, Legislative District, Congressional District, WRIA) must equal 100%

County(ies) of the Project:			State Legislative District(s) of the Project:		
Name	Number	Percent	Number	Percent	
Spokane County	1	100	4	100	

Congressional District(s) of the Project:			Water Resource Inventory Area(s) of the Project:		
Number	Percent		Number	Percent	
5	100		57	100	

Page 1 of 5

# Non-governmental Grant Applications (4)

- Need: Yes
- Costs: Yes
- Footnoteable: No
  
- Need: Signatures, description of problem/solution.
  
- Cost: cost estimate from engineer.

# Cost of Previous Comparable Construction (5)

- Need: No
- Costs: Yes
- Footnoteable: No
- The approach used to create each document must be ***pre-approved*** by EPA Region & headquarters before entering the information into the system.

# Cost of Previous Comparable Construction (5)

- Cost must be based on at least 3 bid or completed projects that are:
  - Recent: within the last two years.
  - Similar in size, scope, and geographic area.
  - Size: plus or minus 25 percent.
  - Generally in the same county or watershed.
- Certain specific rules apply to some Categories of cost.

# State-Approved Area-wide or Regional Basin Plan (6)

- Need: Yes
- Costs: Yes
- Footnoteable: No

## **Flint River Basin Regional Water Development and Conservation Plan**

March 20, 2006



**Georgia Dept. of Natural Resources  
Environmental Protection Division**

Carol A. Couch  
Director

Robin John McDowell  
Plan Coordinator

# State-Approved Local Comprehensive Water and Sewer Plan (7)

- Need: Yes
- Costs: Yes
- Footnoteable: No

*ALLEGANY COUNTY*  
*WATER & SEWERAGE PLAN*  
*2002 UPDATE*

Prepared for the Allegany County Commissioners  
Dale Lewis, President  
James J. Stakem  
Robert M. Hutcheson

By  
The Allegany County Planning Division  
with the assistance of the  
Allegany County Public Works Department  
Allegany County Utility Division  
Allegany County Health Department

# Total Maximum Daily Load (TMDL) (8)

- Need: Yes
- Costs: No\*
- Footnoteable: No

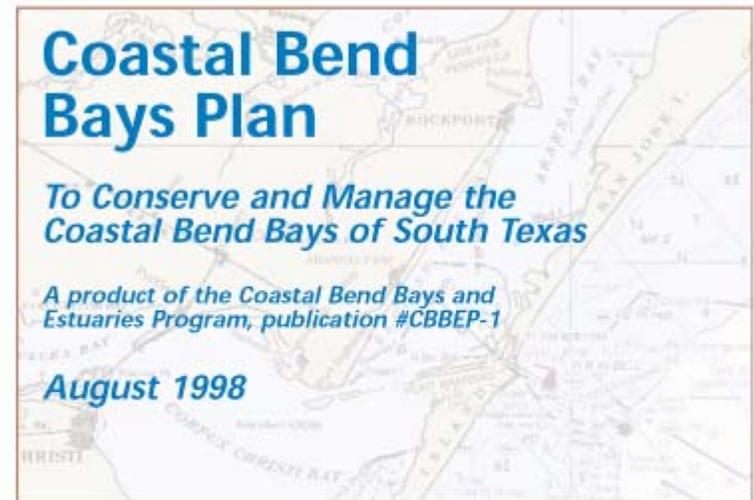
## The Guest River Total Maximum Daily Load Implementation Plan



January 24, 2005

# National Estuary Program Comprehensive Conservation and Management Plan (CCMP) (9)

- Need: Yes
- Costs: No\*
- Footnoteable: No
- 28 estuaries in NEP.



# Nutrient Criteria Studies (10)

- Need: Yes
- Cost: No
- Footnoteable: No
- New Document



## NUTRIENT CRITERIA DEVELOPMENT IN WASHINGTON STATE

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### Phosphorus

April 2004  
Publication Number 04-10-033

# Impaired Waters or TMDL Listing (11)

- Need: Yes
- Costs: No
- Footnoteable: N/A
- New document
- States will directly link the facilities to the database of impaired waters based on the discharge location.
- There will be no need to submit documentation.

# State Needs Surveys & Other State Forms (12)

- Need: Yes
- Costs: No\*
- Footnoteable: Yes
- Must be pre-approved prior to use.

Ewing  
21000734001

FOR STATE USE ONLY  
PROJECT # \_\_\_\_\_

### KENTUCKY WATER/WASTEWATER PROJECT PROFILE

**1 Project Title** City of Ewing Regional Wastewater Facilities Plan

**2 Project Description (40 words or less)** Sewage collection/treatment study for a rural area currently unsewered. Recommended alternative is collection and transport of sewage to a neighboring community outside of the planning area that has an existing wastewater treatment plant.

**3 Legal Applicant**

Applying Entity: City of Ewing  
 Authorized Official: Carolyn Loet  
 Title: Mayor  
 Street, PO Box: R.R. 2, Box 270  
 City: Ewing  
 Zip Code: 41039  
 Contact Person: Mark Feibes, PE  
 Telephone: 858-233-3111  
 Fax: 858-259-2717  
 E-Mail Address: mfeibes@nesbittengineering.com  
 If water project, PWSID#: N/A  
 If wastewater project, KPDES#(s): wastewater project - no KPDES # assigned yet

If wastewater collection project KIMOP #(s): wastewater collection project - no KIMOP # assigned yet

**4 Application** New:  Revision: \_\_\_\_\_  
 If Revision, originally directed to: (agency) \_\_\_\_\_

**5 Project Type**

Planning  
 Sewer System Evaluation Survey Report  
 Design  
 Construction  
 Management

**6 Project Alternatives: Please list a minimum of three:**

a. Collect and treat in new WWTP within the Ewing PA  
 Treatment: oxidation ditch  
 Collection: Option 1) Gravity sewers, pump stations and force mains  
Option 2) Household grinder pump systems, small diameter force mains, etc.

b. Collect and treat in new WWTP within the Ewing PA  
 Treatment: Sequencing batch reactor  
 Collection: Option 1) Gravity sewers, pump stations and force mains  
Option 2) Household grinder pump systems, small diameter force mains, etc.

c. Collect and treat in existing Flemingsburg WWTP, outside of the PA  
 Collection: Option 1) Gravity sewers, pump stations and force mains  
Option 2) Household grinder pump systems, small diameter force mains, etc.

Page 1 of 3

# State Needs Surveys & Other State Forms (12)

## 7 Special Impact(s) of Proposed Water/Wastewater Project:

a. New service/improved service to 907 unserved/underserved households

b. Number of jobs: 50 new/retained

c. Other beneficial technical, managerial, fiscal impacts: (20 words or less)

Elimination of failing septic systems/straight pipes, promote economic development, protect impaired waters.

d. Rate impact/reasonableness of cost: Estimated user rates for recommended alternative ranges from \$5.81/1000 gal for 80.20% grant; 1% loan financing to \$14.85/1000 gal for 100% loan financing.

e. If proposed extension of service to existing homes is related to public health protection, please describe the source water quality and availability: Elimination of failing septic systems and straight pipes will improve surface water quality in area streams that supply water for the area.

8 Median Household Income of Service Area: \$16,949

9 Project Start Schedule: Years 0-2: 2009 Years 3-10: 2008 Years 11-20: 2014

## 10 Estimated Funding Sources:

	Total	SRF Amount		CDBG Amount		RD Amount	Other (name)	Other (name) Amount
		Water	Wastewater	Amount	Amount			
0-2 Years	4,470	-	-	1,970	1,500	1,500	-	-
3-10 Years	2,910	-	-	410	1,500	1,500	-	-
11-20 Years	2,850	-	-	250	1,500	1,500	-	-
TOTAL	10,230	-	-	2,730	3,000	4,500	-	-

## 11 Project Data - Wastewater (check/complete all items which apply to your project)

Watershed: Fleming Creek

Modifications to treatment plant

Current treatment capacity (design): N/A

Treatment capacity (design) after project: N/A

Collector sewer (linear feet/size/material) 2" - 34,100 L.F., 1.5" - 18,900 L.F.

Force mains 2" - 31,000 L.F., 3" - 27,500 L.F., PVC

Interceptor sewer (linear feet/size/material) 4" - 16,700 L.F., 6" - 11,100 L.F.

Force mains 8" - 18,300 L.F., PVC

Sewer Rehab (linear feet/size/material)

Management (describe):

Does your agency currently provide sewer service: yes  no

Total Estimated Project Cost (wastewater): \$10,230

Page 2 of 3

Service Area	Population Served (No. of persons)	Average				Peak Daily			
		Total Flow (MGD)	Industrial Flow (MGD)	Commercial Flow (MGD)	Average Design Flow (MGD)	OPCD Average (GPCD)	Peak Daily Flow (MGD)	Industrial Flow (MGD)	Commercial Flow (MGD)
Current	2,400	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
0-2 Years	2,400	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0
11-20 Years	2,400	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0
15-20 Years	2,400	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0

	Category						Total Categories I-V Per Period	Operations and Maintenance	Category VI (0 MPS Urban)
	I	II	III A	III B	IV A	IV B			
0-2 Years	Secondary Treatment	Advanced Treatment	Sludge Removal	Sewer Rehab	Collector Sewers	Interceptor Sewers	2,880	0	4,470
3-10 Years	0	0	0	0	2,910	0	0	2,910	
11-20 Years	0	0	0	0	2,850	0	0	2,850	
TOTAL(2008)	0	0	0	0	5,760	0	0	10,230	

	Public Health Concerns Eliminated			Total No. of WWTs to be Eliminated	
	Number of Raw Sewage Discharges	Number of Failing Septic Systems	Septic Systems to be Eliminated	Total No. of WWTs to be Eliminated	Total Average Design Flow Now Eliminated WWTs (MGD)
0-2 Years	0	0	0	0	0
3-10 Years	0	0	0	0	0
11-20 Years	0	0	0	0	0
100% 20 Year PA	0	0	0	0	0

N/A KPDES No.	Name of Plant	Latitude (in decimals)	Longitude (in decimals)	Planning Period to be Eliminated	Average Design Flow (MGD)

Notes:

1) Industrial flow estimates are combined with the commercial flow estimates.

2) Raw sewage discharges and failing septic system figures are combined under the category of septic systems eliminated. Septic system beds are either failing or can be considered at high risk of failure. 1993 Sol Survey of Fleming Co. lists. The majority of acts as "severe" in relation to septic system absorption fields.

I acknowledge and affirm that the preliminary project data and information provided herein (entered as a Water/Wastewater Project Profile) is accurate to the extent of my knowledge, and the submission of same to agencies of the United States Government and the Commonwealth of Kentucky as a planning document represents an official act of the \_\_\_\_\_ (agency).

Project Title: City of Evans Regional Wastewater Facilities Feas

Submitted this:

25th day of July

2009

Authorized Official (typed name)

Mark Felbes, PE for Carolyn Lee

Carolyn Lee

Project Engineer

Mayor

Neblitt Engineering, Inc.

City of Evans

(Signature) City of Evans

*Carolyn Lee*

Page 3 of 3

# State Needs Surveys & Other State Forms (12)

- Cost Justification - Population <10,000:
  - Costs by engineer or engineer circuit rider.
  - Other acceptable documentation types not available.
  - State project staff signature.
- Cost Justification - Population <3,500:
  - State registered engineer or circuit rider sign the cost.
  - Requires EPA HQ pre-approval, done on a community by community basis.

# EPA-HQ Approved (99)

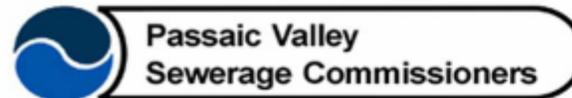
- Need: Yes
- Costs: Yes
- Footnoteable: No
- Contact Regional CWNS Coordinator in advance.

# Documents with Emphasis on Wastewater Facility Needs

<b>Document</b>	<b>Doc Type</b>
Capital Improvement Plan (CIP)	20
Facility Plan	21
Preliminary Engineer's Estimate	22
Final Engineer's Estimate	23
Sewer System Evaluation Documents	24
Diagnostic Evaluation	25
Sanitary Survey	26
State-Approved Municipal Wasteload Allocation Plan	27
New State or Federal Regulation	28
Future or Proposed Municipal, State, or Federal Regulation	29
Administrative Orders, Court Orders, or Consent Decrees	30
NPDES or State Permit Requirement (with Schedule)	31
CSO Long-Term Control Plan (LTCP)	32
Approved CSO Long-Term Control Plan (LTCP)	33
CSO Cost Curve Needs	98

# Capital Improvement Plan (CIP) (20)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes



A/F # 34001082001 &  
34001082011

## FISCAL YEAR 2004 - 2010 CAPITAL IMPROVEMENT PLAN

Donald Tucker  
Chairman

Carl S. Czaplíckí, Jr.  
Vice Chairman

Anthony W. Ardis  
Frank J. Calandriello  
Alan C. Levine  
Anthony J. Luna  
Angelina M. Paserchia  
Kenneth R. Pengitore  
Thomas J. Powell  
Commissioners



Bryan J. Christiansen  
Executive Director

James Krone  
Deputy Executive Director

Joseph A. Ferriero  
Chief Counsel

Louis Lanzillo  
Clerk

In order to protect and preserve local streams and rivers from water pollution, the Passaic Valley Sewerage Commissioners (PVSC) operate one of the country's largest treatment plants for the wastewaters of northern New Jersey. With many expansions, and recent upgrading to secondary treatment, the facility has been striving, since its initial operation in 1924, to improve local water quality in accordance with federal and state water quality legislation.

# Facility Plan (21)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes
  
- Use recommended alternative only.

**Wastewater Treatment  
Plant  
Facility Plan**

City of North Liberty, Iowa

March, 2006



1601 Golden Aspen Drive, Suite 103  
Ames, Iowa 50010  
Phone: 515-233-0000/800-433-3469 Fax: 515-233-0103  
Web: [www.foxeng.com](http://www.foxeng.com) E-Mail: [info@foxeng.com](mailto:info@foxeng.com)

# Preliminary Engineer's Estimate (22)

- Need: Yes
- Costs: Yes
- Footnoteable: No
- New Document

**Addendum No. 1 to:**

**Preliminary Engineering Report**

Bear Lake-Pleasanton Area Utilities Authority

Manistee County, Michigan

**Wastewater Collection and Treatment System**

February, 2004

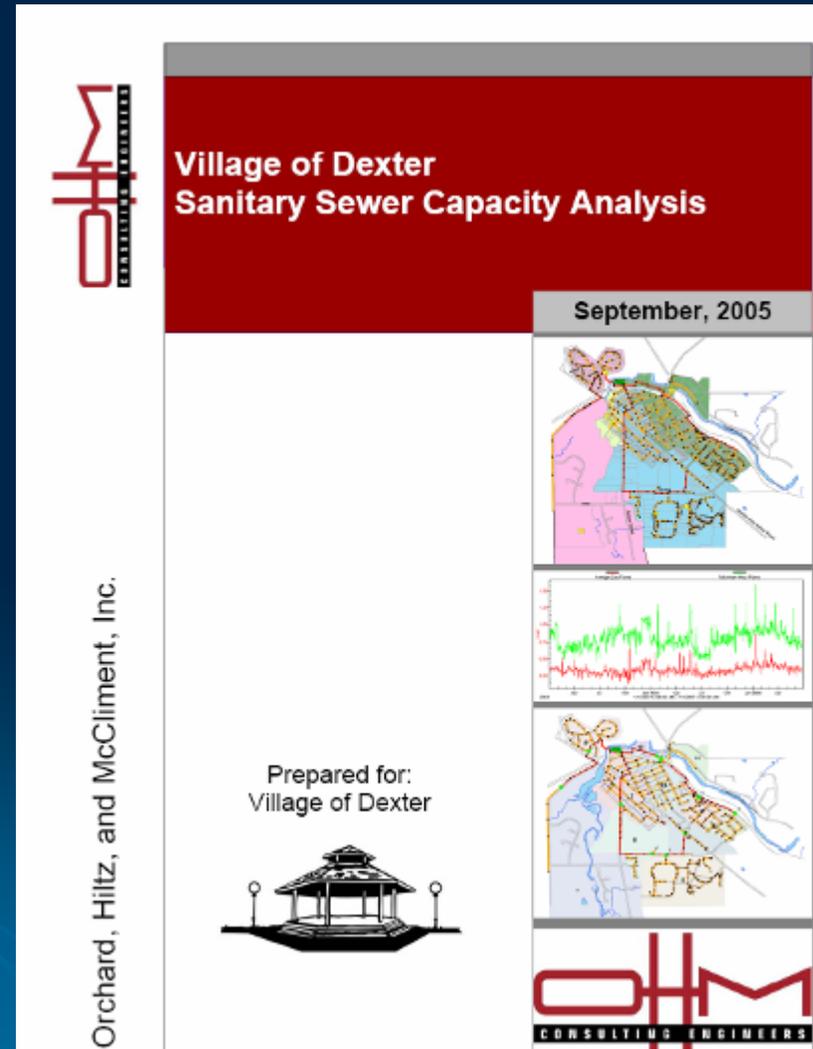
2000931

# Final Engineer's Estimate (23)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes
- Lowest responsive, responsible bids are equivalent to Final Engineer's Estimates.

# Sewer System Evaluation Documents (24)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes
- New Document:
  - I/I Analysis.
  - SSES.



# Diagnostic Evaluation (25)

- Need: Yes
- Costs: No
- Footnoteable: No
  
- Problems related to O&M do not document a need.

# Sanitary Survey (26)

- Need: Yes
- Costs: No
- Footnoteable: No

AIF# 28001376001

FELF67  
CWNS Sanitary Survey Form  
07/15/04

### SANITARY SURVEY

#### EXISTING ON-SITE WASTEWATER SYSTEMS ASSESSMENT

The following information is being requested to complete a 2004 Clean Watersheds Needs Survey report to Congress. This information will help to better represent the needs of small communities.

Community Name Valley Hill  
 County Carroll  
 Latitude/Longitude or attach a map showing location \_\_\_\_\_ N / \_\_\_\_\_ S  
 Public Health District III  
 Sanitarian Performing Survey William E. Carson  
 District Sanitarian Address Terrance Harsey  
701 Saloburka  
Granwood, Ms 39130

Telephone Number 662-453-4563 Fax Number 662-457-4592

1. Population	<u>100</u>
2. Total number of residences in community.	<u>31</u>
3. Number of residences with failing on-site wastewater systems.	<u>15</u>
4. Number of residences with properly functioning on-site wastewater systems.	<u>16</u>
5. Total number of commercial/industrial (CI) establishments.	<u>11</u>
6. Number of CIs with failing or non-existent on-site wastewater systems.	<u>9</u>
7. Number of CIs with properly functioning on-site wastewater systems.	<u>2</u>
8. Total numbers of buildings (#2 + #5).	<u>42</u>
9. List percentage of the total number (#8) representing each of the following:	
<u>93</u> Septic tanks with leach fields	<u>2</u> Raw discharges
<u>0</u> Outhouses / cesspools	<u>2</u> Aerobic treatment systems
<u>0</u> Centralized collection and treatment	
<u>3</u> Septic tanks with discharges to ground surface or ditch/creek.	

# Sanitary Survey (26)

- Communities < 10,000:
  - letter from a registered state or county Sanitarian or Professional Engineer with documentation or other evidence of a site visit that supports the determination of need.
- EPA will review such documentation on a case-by-case basis.

# Sanitary Survey (26)

AIF# 28001376001

PEL547  
CWNS Sanitary Survey Form  
6/16/04

## SANITARY SURVEY

### EXISTING ON-SITE WASTEWATER SYSTEMS ASSESSMENT

The following information is being requested to complete a 2004 Clean Watersheds Needs Survey report to Congress. This information will help to better represent the needs of small communities.

Community Name Valley Hill  
 County Carroll  
 Latitude/Longitude or attach a map showing location \_\_\_\_\_ N / \_\_\_\_\_ S  
 Public Health District TTE  
 Sanitarian Performing Survey William S. Carson  
 District Sanitarian Address Terrance Harssey  
701 Palomka  
Greenwood, MO 65430  
 Telephone Number 662-453-4563 Fax Number 662-453-4592

- Population 100
- Total number of residences in community. 31
- Number of residences with failing on-site wastewater systems. 15
- Number of residences with properly functioning on-site wastewater systems. 16
- Total number of commercial/industrial (C/I) establishments. 11
- Number of C/I's with failing or non-existent on-site wastewater systems. 9
- Number of C/I's with properly functioning on-site wastewater systems. 2
- Total numbers of buildings (#2 + #5). 42
- List percentage of the total number (#8) representing each of the following:
 

<u>93</u> Septic tanks with leach fields	<u>2</u> Raw discharges
<u>0</u> Outhouses / cesspools	<u>2</u> Aerobic treatment systems
<u>0</u> Centralized collection and treatment	
<u>3</u> Septic tanks with discharges to ground surface or ditch/creek.	

PEL547  
CWNS Sanitary Survey Form  
6/16/04

- Average age of wastewater systems 30
- Of the failures listed in #3 and #6 above, list the percentage of each type of water quality or public health problem occurring: (Can count multiple problems - may exceed 100%)
 

<u>40</u> Slow plumbing drainage or backup	<u>10</u> Raw discharge on ground
<u>25</u> Odors	<u>15</u> Raw discharge into ditch or creek
<u>30</u> Liquid on surface	<u>0</u> Restricted water use
<u>10</u> Liquid in ditch or creek	
- List percentage of on-site failures due to improper/inadequate soil conditions. 95
- List percentage of failures due to improper use or operation. 5
- Does this community need sewer lines, a treatment plant, interceptors to an existing treatment plant, new septic tanks or other on-site or cluster-type sewage treatment systems? (Please specify.)  
Most lots 1/2 acre or less. Most systems could not be upgraded.  
Central sewer may be needed.

Need: As a registered sanitarian, I hereby certify that I have surveyed the above described community and that it has the wastewater needs described on this form.

Signature William S. Carson Date 10/22/04

### FOR MDEQ USE ONLY:

Most appropriate solution for item #14 and reason for selection.  
Installation/upgrade of on-site systems recommended  
due to small population.

Signature Jay Allen 11/23/04  
 State Project Engineer Date

Signature Tom Weller 12-14-04  
 Needs Survey Coordinator Date

# State-Approved Municipal Wasteload Allocation Plan (27)

- Need: Yes
- Costs: Yes
- Footnoteable: No

# New Municipal, State, or Federal Regulation (28)

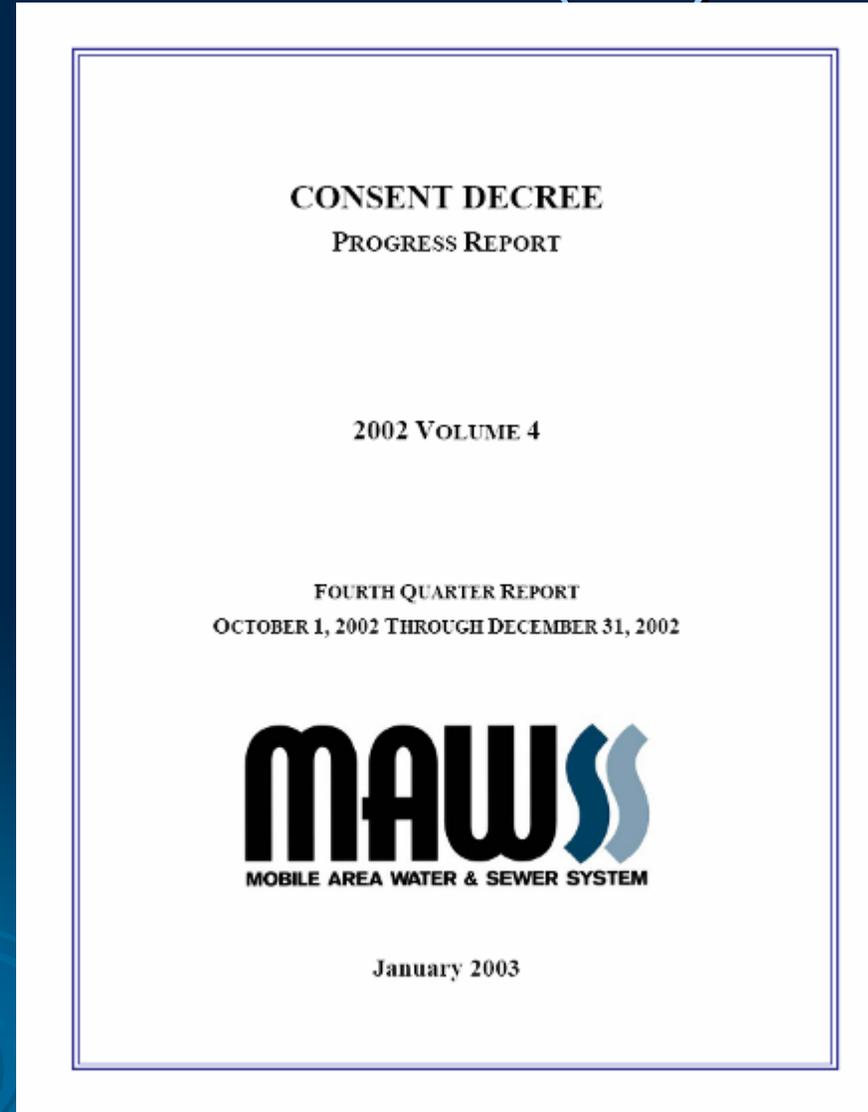
- Need: Yes
- Costs: No
- Footnoteable: No
  
- Indication of affected facilities is needed.

# Future or Proposed Municipal, State, or Federal Regulation (29)

- Need: “unofficial” only
- Costs: No
- Footnoteable: No
- New Document
  
- Indication of affected facilities is needed.

# Administrative Orders, Court Orders, or Consent Decrees (30)

- Need: Yes
- Costs: No
- Footnoteable: No



# NPDES or State Permit Requirement (with Schedule) (31)

- Need: Yes
- Costs: No
- Footnoteable: No

Page 1  
IPL00001\*KD

Application No. OH0026590  
Issue Date: April 4, 2003  
Effective Date: May 1, 2003  
Expiration Date: January 31, 2008

Ohio Environmental Protection Agency  
Authorization to Discharge Under the  
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

Montgomery County  
Board of Commissioners

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Montgomery County Eastern Regional wastewater treatment works located at 1802 Founders Drive, Kettering, Ohio, Montgomery County and discharging to Little Beaver Creek in accordance with the conditions specified in Parts I, II, and III of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

\_\_\_\_\_  
Christopher Jones  
Director

Total Pages: 54

# NPDES or State Permit Requirement (with Schedule) (31)

- Need: Yes
- Costs: No
- Footnoteable: No

Page 1  
1PL00001\*KD

Application No. OH0026590

Issue Date: Apr  
Effective Date:  
Expiration Date:

In compliance with  
amended (33 U.S.C.  
Water Pollution  
Control Act), the  
Ohio EPA is  
authorizing by  
"Ohio EPA," to  
treatment works  
and discharging  
Parts I, II, and III  
of the Ohio EPA  
Permitting Rules.  
This permit is  
effective on  
3/7/45.11 of the  
Ohio EPA n

This permit and  
date shown above  
of expiration, the  
Ohio EPA n

Christopher Jon  
Director

Total Pages: 54

Page 1  
1PL00001\*KD

Part I, C - Schedule of Compliance

A. Compliance Schedule for CBOD and dissolved oxygen

1. This entity shall attain compliance with the final effluent limitations of the permit as expeditiously as practicable, but not later than the dates developed in accordance with the following schedule:

a. Submit a written status report to the appropriate Ohio EPA District Office 12 months from the effective date of this permit.

b. Submit detail plans for plant as soon as possible, but not later than 18 months from the effective date of this permit. (Event Code 01299)

c. Advertise for construction bids, receive bids, and award contracts as soon as possible, but not later than 24 months from the effective date of this permit. (Event Code 01899)

d. Commence construction as soon as possible, but not later than 26 months from the effective date of this permit. (Event Code 03099)

e. Notify the appropriate Ohio EPA District Office within seven days of construction initiation.

f. Complete construction as soon as possible, but not later than 35 months from the effective date of this permit. (Event Code 04599)

g. Notify the appropriate Ohio EPA District Office within seven days of construction completion.

h. Attain operational level of the treatment works and meet final effluent limitations as soon as possible, but not later than 36 months from the effective date of this permit. (Event Code 05599)

i. Notify the appropriate Ohio EPA District Office within seven days of attaining operational level.

B. Upper LMR TMDL Phosphorus Reduction Implementation Schedule

As soon as possible, but not later than the dates developed in accordance with the following schedule, the permittee shall achieve the final effluent limits in Part I. A. of this permit and an allowable total phosphorus load of 24.6 kg/day during the months of May through October. The permittee may achieve the allowable phosphorus load by reducing phosphorus loads discharged through wastewater treatment plant station number 1PL00001001 and/or by implementing alternative load reduction projects that are reviewed by and are acceptable to Ohio EPA.

# CSO LTCP (32)

- Need: Yes
- Costs: Yes
- Footnoteable: No

# Approved CSO LTCP (33)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes

# CSO Cost Curve Needs (98)

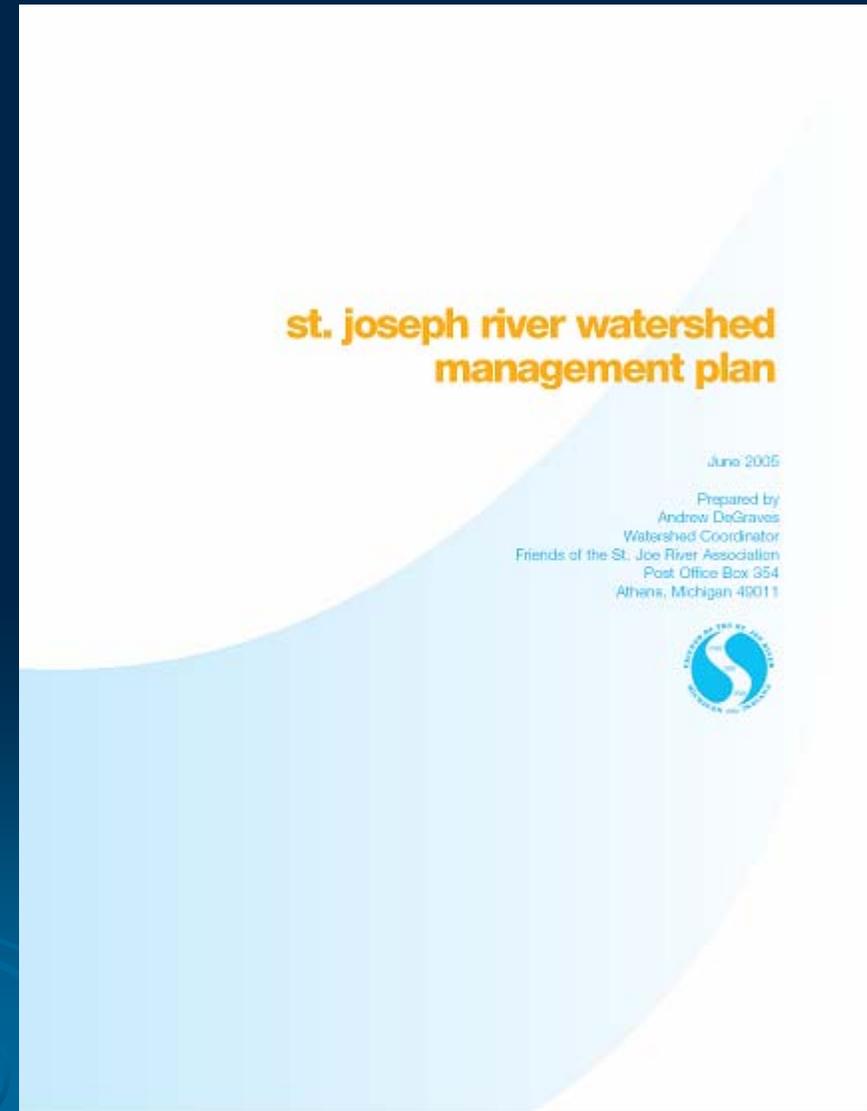
- Need: N/A
- Costs: Yes
- Footnoteable: N/A

# Documents with Emphasis on Nonpoint Source (NPS) Needs

<b>Document</b>	<b>Doc Type</b>
Watershed-Based Plans	40
Section 319 Funded or EPA Reviewed Watershed-Based Plans	41
Approved State Annual 319 Workplans	42
Approved State 319 Project Implementation Plans	43
NPS Management Program/Assessment Report	44
NPS Management Program/Ground Water Protection Strategy Report	45
NPS Management Program/Wellhead Protection Program and Plan	46
NPS Management Program/Delegated Underground Injection Control Program Plan	47
Source Water Assessment/Source Water Protection Plans	48
NRCS Conservation Plans and Farm Plans	49
Electronic Field Office Technical Guide (eFOTOG)	50
State/Federal Agricultural Cost-Share Program Cost Tables	51
Professional Appraisals	52

# Watershed-Based Plans (40)

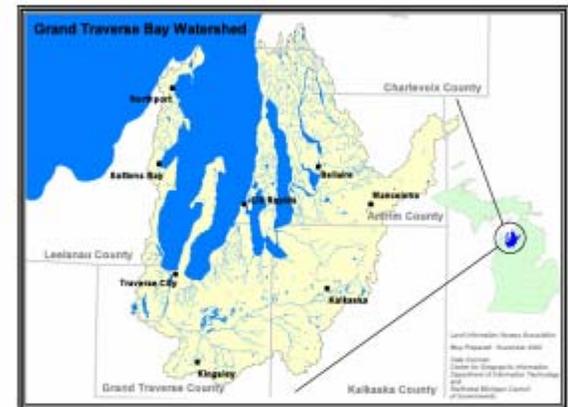
- Need: Yes
- Costs: Yes
- Footnoteable: No
- New Document



# Section 319 Funded or EPA Reviewed Watershed-Based Plans (41)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes
- New Document

## GRAND TRAVERSE BAY WATERSHED PROTECTION PLAN



December 2003

### *The Protection Planning Process*

In September 2001, The Watershed Center Grand Traverse Bay received a watershed management planning grant for the Grand Traverse Bay watershed from the U.S. Environmental Protection Agency and the Michigan Department of Environmental Quality. The grant and awarded funds were authorized by Section 319 of the federal Clean Water Act and were used to develop this protection plan for the Grand Traverse Bay watershed.

The Grand Traverse Bay Watershed Protection Plan provides a description of the watershed

ator  
verse Bay

4



# Approved State Annual 319 Workplans (42)

&

# Approved State 319 Project Implementation Plans (43)

- 42:
- Need: Yes
- Costs: No\*
- Footnoteable: No
- 43:
- Need: Yes
- Costs: Yes
- Footnoteable: Yes

# Nonpoint Source Management Program/Assessment Report (44)

- Need: Yes
- Costs: No\*
- Footnoteable: No

**OKLAHOMA'S NONPOINT SOURCE MANAGEMENT PROGRAM  
AND NONPOINT SOURCE ASSESSMENT REPORT  
2000 – 2015  
FINAL DRAFT**

**Drafted by:  
Oklahoma Conservation Commission  
Water Quality Programs**

# Nonpoint Source Management Program/Ground Water Protection Strategy Report (45)

- Need: Yes
- Costs: No\*
- Footnoteable: No

February 2003  
AS-188

## Texas Groundwater Protection Strategy

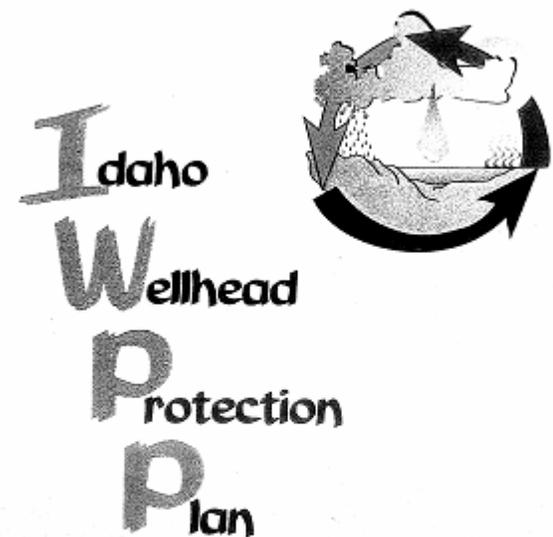
Prepared by the  
Texas Groundwater Protection Committee

### ***Contributing State Agencies and Organizations***

*Texas Commission on Environmental Quality  
Texas Water Development Board  
Railroad Commission of Texas  
Texas Department of Health  
Texas Department of Agriculture  
Texas State Soil and Water Conservation Board  
Texas Alliance of Groundwater Districts  
Texas Agricultural Experiment Station  
Bureau of Economic Geology  
Texas Department of Licensing and Regulation*

# Nonpoint Source Management Program/Wellhead Protection Program and Plan (46)

- Need: Yes
- Costs: No\*
- Footnoteable: No



Idaho Division of  
Environmental Quality



Idaho Wellhead  
Protection Work Group

February 1997

# Nonpoint Source Management Program/Delegated Underground Injection Control Program Plan (47)

- Need: Yes
- Costs: No\*
- Footnoteable: No

# Source Water Assessment/Source Water Protection Plans (48)

- Need: Yes
- Cost: No
- Footnoteable: No
- New Document
- Use the system or town specific assessment, not the statewide summary.

Source Water Assessment Report  
For  
Branchville Water Department



State of New Jersey

**Bradley M. Campbell, Commissioner**  
Department of Environmental Protection

**Ernest Hahn, Assistant Commissioner**  
Land Use Management

**Michele Mateo Putnam, Administrator**  
Water Supply Administration

**Barker Hamill, Bureau Chief**  
Bureau of Safe Drinking Water  
401 E. State Street  
PO Box 426  
Trenton, New Jersey 08625-0426  
(609) 292-5550

December 2004

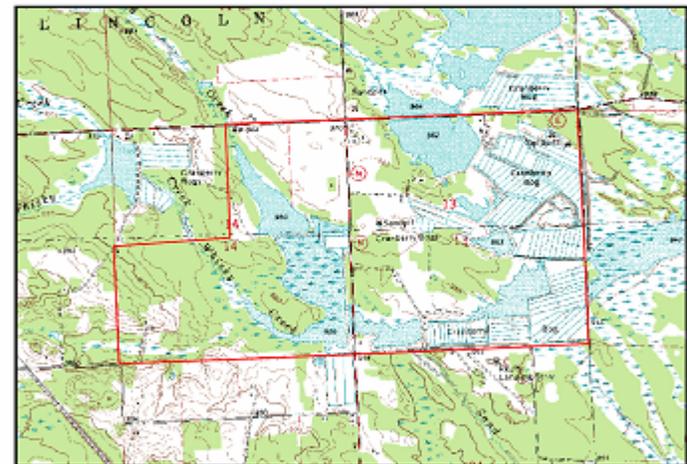
# NRCS Conservation Plans and Farm Plans (49)

- Need: Yes
- Cost: No\*
- Footnoteable: No
- New Document
- Areas needing treatment may not be water quality related.



In Cooperation with the Cranberry County Land Conservation Department

## Whole Farm Conservation Plan XYZ Cranberry Company LLC Lincoln Township, Cranberry County



With Planning Assistance from:  
Tod Planer, Wisconsin State Cranberry Growers Association  
Michael Stinebrink, USDA – Natural Resources Conservation Service

**NOTE: This is a fictitious, sample plan. While based on an actual location in Monroe County, Wisconsin, this property does not exist as defined in this plan, and the background information and resource issues & concerns are entirely fictional.**

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.

An Equal Opportunity Provider and Employer

# Electronic Field Office Technical Guide (eFOTOG) (50)

- Need: No\*
- Cost: Yes
- Footnoteable: No
- New Document
- Areas needing treatment may not be water quality related.

STATE OF FLORIDA  
Area 1 Cost Share List for Selected Conservation Practices for EQIP  
FY 2007

PRACTICE CODE	PRACTICE NAME	UNIT	QTY	COST TYPE	% C/S	COST	COST SHARE AMOUNT	LIMITED RESOURCE FARMER OR RANCHER (COST SHARE AMOUNT)
782	Agricultural Handling Facility - Stationary	Sq Ft.	1.00	AC	50%	\$21.00	\$12.00	\$21.00
855	Animal Trails and Walkways (see Code 342 if wooded)							
	Limestone	Lin. Ft.	1.00	AC	50%	\$4.00	\$2.00	\$3.90
	Concrete	Lin. Ft.	1.00	AC	50%	\$28.00	\$14.00	\$25.20
814	Brush Management 1)	Acres	1.00	FR	-	\$33.00	\$33.00	\$33.00
860	Closure of Waste Impoundments - Includes pumping, hauling and spreading of wastewater and sludge. (also see EXEMPT for existing DAZLE if existing area for other waste management practices.)	Gallon	1.00	AC	50%	\$8.83	\$0.00	\$0.00
817	Composting Facility (Includes Roof)							
	Rotary Drum Composter	Sq Ft.	1.00	AC	75%	\$18.50	\$7.58	\$9.05
	< 1,700 Gallons	Each	1.00	AC	75%	\$51,700.00	\$23,775.00	\$28,925.00
	> 1,701 - 3,000 Gallons	Each	1.00	AC	75%	\$28,725.00	\$21,543.75	\$25,852.50
828	Conservation Crop Rotation 1)	Acres	1.00	FR	-	\$9.50	\$5.00	\$5.00
	Payment applies to all acres in the rotation. Payment (cost-share) will be paid when grass is established (eg. 3 year rotation - includes 3 years of grass, 2 years of conventional tillage or 4 year rotation - includes 2 years grass, 2 years rotation and tillage management (no-till, strip-till, etc.). Must have been in crop previously for a minimum of two consecutive years prior to filing EQIP application. Cost-share on 100 - Cover Crop, 1/2 - Pasture and Hay, or 2/3, 1/3, 1/3 for other management practices.	Acres	1.00	FR	-	\$97.50	\$97.50	\$97.50
830	Cover Crop 1)	Acres	1.00	FR	-	\$6.00	\$6.00	\$6.00
849	Cover Crop 2)	Acres	1.00	FR	-	\$12.00	\$12.00	\$12.00
	Can be used to achieve necessary residue for conservation tillage practices. 1)							
842	Critical Area Planting							
	Seed	Acres	1.00	AC	50%	\$488.00	\$240.00	\$432.00
	Seed to Shipping	Acres	1.00	AC	50%	\$1,148.00	\$570.00	\$1,026.00
	Seed	Acres	1.00	AC	50%	\$20,000.00	\$10,000.00	\$18,100.00
842	Diversion (also see Code 342)	Cu. Yd.	1.00	AC	50%	\$1.35	\$0.68	\$1.22
882	Fence, Permanent (Reverse OSMU)	Lin. Ft.	1.00	AC	50%	\$1.80	\$0.90	\$1.62
	Gate	Each	1.00	AC	50%	\$97.80	\$48.90	\$57.50
886	Field Border	Lin. Ft.	1.00	AC	50%	\$8.30	\$0.00	\$0.00
883	Fiber Strip	Acres	1.00	AC	50%	\$515.80	\$157.50	\$258.50

NOTE: AC= Average Cost, FR = Flat Rate

Page 1 of 14

# State/Federal Agricultural Cost-Share Program Cost Tables (51)

- Need: No
- Cost: Yes
- Footnoteable: No
- New Document
- These unit costs can be used to estimate the total cost of a project.

# Professional Appraisals (52)

- Need: No
- Cost: Yes
- Footnoteable: No
- New Document

44000024004

SKLT application  
FRPD



**KEYSTONE**  
CONSULTING GROUP

COMMERCIAL  
REAL ESTATE SERVICES

COMPLETE REAL ESTATE APPRAISAL  
SUMMARY REPORT OF:

Property owned by Judith C. Samson  
Assessor's Plat 14, Lot 46

A 72.154-acre farm

**Property Location:**  
592 Fairgrounds Road  
South Kingstown, Rhode Island

**Date of Valuation:**  
13 June 2003

**Prepared For:**  
Judith C. Samson  
Post Office Box 275  
West Kingston, Rhode Island 02892

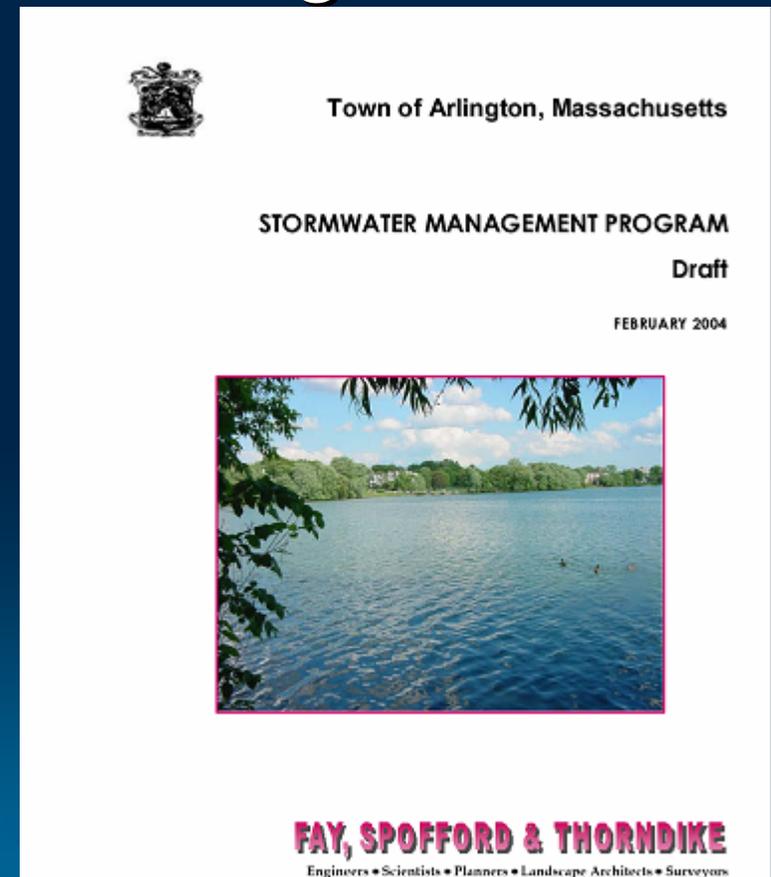
**Prepared By:**  
Ms. E. Jenny K. Flanagan, Senior Consultant  
KEYSTONE CONSULTING GROUP

\$250,000  
ALPC

299 Chestnut Street, North Attleboro, Massachusetts 02760 ♦ Phone 508-699-7777 ♦ Fax 508-699-7728

# Document with Emphasis on Storm Water Needs

- Municipal Storm Water Management Plan (60)
  - Need: Yes
  - Costs: No\*
  - Footnoteable: No



# Need for Small Communities

- Communities with populations of fewer than 10,000 persons.
- Use *only* if other acceptable documentation types are not available.

<b>Document</b>	<b>Doc Type</b>
Small Community Needs Form	71
Information from an Assistance Provider	72

# Small Community Needs Form (71)

- Need: Yes
- Costs: Yes
- Footnoteable: Yes
- Form will be provided in the User Manual or for download.
- Local signatures are required.
- Special signature requirements for communities <3,5000.

# Information from an Assistance Provider (72)

- Need: Yes
- Costs: No
- Footnoteable: No
- Local official and provider signatures must be included.

# Questions

Questions can be asked at anytime by typing them in the chat box and clicking



# 7) Requirements for Submitting Documents

# Documents Submitted Electronically

- Tag: document title, date, author, information substantiating the water quality or public health problem, describes the recommended alternative (if more than one is presented), and/or presents associated costs.
- Tags should include a label with the CWNS number and the type of information presented.  
(e.g., 12000000981 Category I cost)

# Tag: Example

CWNS Number 99000000000  
Title

**INTENDED USE PLAN**  
**CLEAN WATER STATE REVOLVING FUND (CWSRF)**  
**FY 2004 FEDERAL APPROPRIATION**

CWNS Number 99000000000  
Date



CWNS Number 99000000000  
Author

Prepared by the  
**Tennessee Department of Environment and Conservation**  
**Division of Community Assistance**

# Tag: Example

**ATTACHMENT 5**  
**GEFA**  
**CLEAN WATER STATE REVOLVING LOAN FUND**  
**2002 FUNDABLE PRIORITY LIST OF ANTICIPATED LOAN RECEIPIENTS**  
**As of 4/30/2003**

CWNS Number 99000000000  
Base Date

Population	Community	Loan (\$)	Status Update	Project Description/Type of Assistance
10,667	Calhoun	\$ 4,000,000.00	Construction in progress	Renovations to the city's old 4 MGD wastewater treatment plant.
25,578	Gainesville	\$ 21,245,379.00	Construction in progress	Expand Flat Creek WPCP from 10 MGD to 12 MGD to meet the needs of population growth while improving the water quality standards by reducing the amount of phosphorous being discharged into Lake Lanier.
	<b>Total</b>	<b>\$ 25,245,379.00</b>		
<b>The following projects are eligible for a 2002 CAP award in the event that repayment funds are not used:</b>				
			Awaiting submission of planning document.	Expand the Authority's existing wastewater MGD.
			Received Board Approval. Awaiting construction start	Install approximately 10,000 LF of 4" perforated pipe to lower the groundwater at the existing land treatment plant. 85% of this project will be in the form of a grant for the 1997 Hardship Grant Program for Rural Communities.
5,292	Commerce	\$ 4,500,000.00	Received Board Approval. Awaiting construction start	Expand the city's Wastewater Treatment Plant from 1.05 MGD to 2.10 MGD.
6,239	Pooler	\$ 9,500,000.00	Construction in progress	Construct a 2.5 Million Gallons per Day (MGD) water reclamation facility to serve the City of Pooler and surrounding areas in Chatham County.
3,379	Social Circle	\$ 3,300,000.00	Awaiting submission of planning document.	Upgrade/expand the Social Circle Little River WPCP from 0.65 MGD to 0.9 MGD.
	<b>Total</b>	<b>\$ 22,612,000.00</b>		

CWNS Number 99000000000  
Category I and II cost.  
70% category I :14,871,765  
30% category II: 6,373,614

CWNS Number 99000000000  
Need Justification

# Documents Submitted in Hard Copy

- Label the document with the CWNS Number.
- **Highlight** the document title, date, and author.
- **Highlight and flag** the page or pages that contain the information substantiating the water quality or public health problem, describes the recommended alternative, or present associated costs.
- Flag requirements for hard copy documents are essentially the same as for electronic documents.
- All relevant section must be sent to EPA.

# Questions

Questions can be asked at anytime by typing them in the chat box and clicking



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# Contacts & More Information

Michael Plastino, US EPA

202-564-0682 or [plastino.michael@epa.gov](mailto:plastino.michael@epa.gov)

Karen Fligger, US EPA

202-564-2992 or [fligger.karen@epa.gov](mailto:fligger.karen@epa.gov)

Sign up for CWNS updates by emailing [cwns@epa.gov](mailto:cwns@epa.gov).

[www.epa.gov/cwns](http://www.epa.gov/cwns)

- Includes list of state & regional coordinators
- Web seminar “Questions and Answers” and links to recorded sessions.
- News about CWNS 2008
- Access to CWNS data and Reports to Congress